Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/14/2018 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126337	1	2.52	126419	2.54
Blue	F	SSC	125000	124529	-1	1.98	125229	2.00
Blue	E	FITC	15760	15622	-1	3.04	338	23.47
Blue	D	PE	25880	25417	-2	2.07	553	17.78
Blue	B	PerCP-Cy5-5	34075	34275	0	4.30	1041	23.50
Blue	A	PE-Cy7	22776	23127	1	7.63	552	47.40
Red	C	APC	42488	41652	-2	2.81	1566	13.59
Red	A	APC-Cy7	24478	23988	-3	2.89	822	13.26
Violet	B	V450	6304	6106	-4	4.37	338	18.18
Violet	A	V500	26005	24467	-6	3.93	574	13.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20905	11.90	615	18	N/A	N/A	Pass
Blue	F	SSC	56406	1.38	585	30	N/A	N/A	Pass
Blue	E	FITC	59	77.66	567	11	0.0142	208	Pass
Blue	D	PE	115	59.67	561	12	0.1069	259	Pass
Blue	B	PerCP-Cy5-5	199	57.83	668	21	0.0069	96	Pass
Blue	A	PE-Cy7	104	120.21	721	24	0.0084	27	Pass
Red	C	APC	365	28.40	604	4	0.0189	92	Pass
Red	A	APC-Cy7	201	28.78	575	4	0.0044	728	Pass
Violet	B	V450	53	86.91	502	13	0.0285	2755	Pass
Violet	A	V500	85	47.83	517	11	0.0118	1049	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-30.80	0.92
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.41
Red	16.07	13.60 - 20.40	N/A	N/A	30.67	31.26	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 11742

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments